Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign) Page 1

## RULE 63 (37 C.F.R. 1.63) INVENTORS DECLARATION FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A Molecular Single Electron Transistor (MSET) Detector Povice

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	cification of which (check a	pplicable box(s)):				
[]	is attached hereto				2 & 14.	Dis No 10/07242/1199/
ĹĬ	was filed on		as U.S. Application Serial No.		, ,	. Dkt. No IP/P7343/USW)
[x]	was filed as PCT Internation		PCT/GB2004/004699	on	5 November 2	2004
and (if	applicable to U.S. or PCT a	oplication) was amended	d on			
amend defined listed b which p Priority	ment referred to above. I an In 37 C.F.R. 1.56. I hereby lelow and have also identified priority is claimed or, if no property is claimed or, if no property is property in the property of th	cknowledge the duty to cyclaim foreign priority be do below any foreign appiority is claimed, before r	stents of the above identified specifisclose to the Patent Office all informatic under 35 U.S.C. 119/365 of street of the filing date of this application:  Country GB  United States provisional application	ormation kni f any forelgr rtificate havi	own to me to be a application(s) foing a filing date b	or patent or inventor's certification
i heret	by claim the benefit under 35	5 U.S.C. 120/365 of all p	rior United States and PCT intern	ational appli	cations listed abo	ove or below:
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[X] See attached sheet(s) for additional inventor(s) information!!

Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign)

Serial No. Page 2 Inventor's Signature: 3. BUCKLE D Inventor: MI (last) Worcestershire, United Kingdom (state/country) Residence: (city) Malvern QinetiQ Limited, Malvern Technology Centre, St Andrews Road, Malvern, Worcestershire Mailing Address: WR14 3PS United Kingdom (Zip Code) 4. Inventor's Signature: COX GB Timothy Inventor: (citizenship) (last) (first) (state/country) Worcestershire, United Kingdom Malvern Residence: (city) QinetiQ Limited, Malvern Technology Centre, St Andrews Road, Malvern, Worcestershire Mailing Address: WR14 3PS United Kingdom (Zip Code) Date: Inventor's Signature: 5. GB **GEDDES** Norman inventor: (citizenship) (last) MI (first) (state/country) Worcestershire, United Kingdom Residence: (city) Malvern QinetiQ Limited, Malvern Technology Centre, St Andrews Road, Malvern, Worcestershire Mailing Address: WR14 3PS United Kingdom (Zip Code) 6. Inventor's Signature: GB Н **JEFFERSON** John Inventor: (citizenship) (last) MI (first) (state/country) Worcestershire, United Kingdom QinetiQ Limited, Malvern Technology Centre, St Andrews Road, Malvern, Worcestershire Malvern Residence: (city) Mailing Address: WR14 3PS United Kingdom (Zip Code) Date: Inventor's Signature: 7. GB NOBL F Russell Inventor: (citizenship) MI (last) (first) Worcestershire, United Kingdom (state/country) Residence: (city) Malvern QinetiQ Limited, Malvern Technology Centre, St Andrews Road, Malvern, Worcestershire Mailing Address: (Zip Code) WR14 3PS United Kingdom Date: Inventor's Signature: 8. GB SAGE lan Inventor: (citizenship) MI (last) (first) (state/country) Worcestershire, United Kingdom Residence: (city) Malvern QinetiQ Limited, Malvern Technology Centre, St Andrews Road, Malvern, Worcestershire Mailing Address: WR14 3PS United Kingdom (Zip Code) 12006 Date: Inventor's Signature: 9. GB COMBES David Inventor: (citizenship) (last) MI (first) (state/country) Worcestershire, United Kingdom Residence: (city) Malvern QinetiQ Limited, Malvern Technology Centre, St Andrews Road, Malvern, Worcestershire Mailing Address: WR14 3PS United Kingdom (Zip Code) Date: Inventor's Signature: 10. Inventor: (citizenship) MI (last) (first) (state/country) Residence: (city) Mailing Address: (Zip Code) Date: Inventor's Signature: 11. Inventor: (citizenship) (last) MI (first) (state/country) Residence: (city) Mailing Address: (Zip Code) Date: Inventor's Signature: 12. Inventor: (citizenship) М (last) (first) (state/country) Residence: (city) Mailing Address: (Zip Code) FOR ADDITIONAL INVENTORS, check box [] and attach sheet with same information and signature and date for each.

Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign) Page 1

# RULE 63 (37 C.F.R. 1.63) INVENTORS DECLARATION FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A Molecular Single Electron Transistor (MSET) Detector Device

	cification of which (check a	oplicable box(s)):			
[]	is attached hereto				(Atty. Dkt. No 1P/P7343/USW)
ΓĪ	was filed on		as U.S. Application Serial No.	_	•
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l hereby amendr	y state that I have reviewed ment referred to above. I ac	and understand the co	ntents of the above identified specifications to the Patent Office all info	any foreign and	lication(s) for patent or inventor's certifica
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[X] See attached sheet(s) for additional inventor(s) information!!

#### Serial No. Page 2

					Date	
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	Residence: (city)	Malvern		(state/country) Worce:	stershire, L	Jnited Kingdom
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	(Zip Code)	WR14 3PS United Kingd	lom			
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	Inventor's Signature:			COV	Date: _	GB
	Inventor:	Timothy	I MI	COX (last)		(citizenship)
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	Residence: (city) Mailing Address:	OinetiO Limited Malvern	Technology Centre.	St Andrews Road, Malvern,	Worcester	shire
	(Zip Code)	WR14 3PS United Kingo	dom			
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	Inventor's Signature:	4) Vei	<b>DE</b>		_ Date: _	<b>56</b> / 5/ 06 GB
	inventor:	Norman	J	GEDDES (last)		(citizenship)
		(first)	MI	(state/country) Worce	stershire	
	Residence: (city)	Malvern	Technology Centre	St Andrews Road, Malvern,	Worcester	rshire
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	Inventor's Signature:				_ Date:	
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		(first)	M!	(last)	atorables	(citizenship)
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	(Zip Code)	WR14 3PS United Kingo	iom			
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	Inventor:	Russell	A	NOBLE		GB (airimenahia)
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	Inventor's Signature:	lan	С	SAGE	_	GB
	Inventor:	(first)	МI	(last)		(citizenship)
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	Inventor's Signature: Inventor: Residence: (city) Mailing Address:	David (first) Malvern QinetiQ Limited, Malver	MI n Technology Centre	(last) (state/country) Word	estershire n, Worcest	(citizenship) , United Kingdom
	Inventor's Signature: Inventor: Residence: (city) Mailing Address:	David (first) Malvern QinetiQ Limited, Malver	MI n Technology Centre	(last) (state/country) Word	estershire	(citizenship) , United Kingdom
	Inventor's Signature: Inventor: Residence: (city) Mailing Address: (Zip Code)	David (first) Malvern QinetiQ Limited, Malver WR14 3PS United King	MI n Technology Centre	(last) (state/country) <u>Word</u> , St Andrews Road, Malverr	estershire n, Worcest	(citizenship) , United Kingdom ershire
	Inventor's Signature: Inventor: Residence: (city) Mailing Address: (Zip Code) Inventor's Signature: Inventor:	David (first) Malvern QinetiQ Limited, Malver	MI n Technology Centre	(last) (state/country) Word , St Andrews Road, Malverr	estershire n, Worcest	(citizenship) , United Kingdom
	Inventor's Signature: Inventor:  Residence: (city) Mailing Address: (Zip Code)  Inventor's Signature: Inventor:  Residence: (city)	David (first) Malvern QinetiQ Limited, Malver WR14 3PS United King	MI n Technology Centre	(last) (state/country) <u>Word</u> , St Andrews Road, Malverr	estershire n, Worcest	(citizenship) , United Kingdom ershire
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•	Inventor's Signature: Inventor:  Residence: (city) Mailing Address:	David (first) Malvern QinetiQ Limited, Malver WR14 3PS United King (first)	MI The Technology Centre Idom  MI	(last) (state/country) Word , St Andrews Road, Malverr  (last) (state/country)  (last) (state/country)  (last) (state/country)	Date:	(citizenship) ershire (citizenship) (citizenship) (citizenship)
•	Inventor's Signature: Inventor:  Residence: (city) Mailing Address:	David (first) Malvern QinetiQ Limited, Malver WR14 3PS United King (first)	MI The Technology Centre Idom  MI  MI	(last) (state/country) Word , St Andrews Road, Malverr  (last) (state/country)  (last) (state/country)	Date:	(citizenship) ershire (citizenship) (citizenship) (citizenship)
	Inventor's Signature: Inventor:  Residence: (city) Mailing Address:	David (first) Malvern QinetiQ Limited, Malver WR14 3PS United King (first)  (first)	MI The Technology Centre Idom  MI  MI	(last) (state/country) Word , St Andrews Road, Malverr  (last) (state/country)  (last) (state/country)  (last) (state/country)	Date:	(citizenship) ershire (citizenship) (citizenship) (citizenship)

Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign) Page 1

### RULE 63 (37 C.F.R. 1.63) INVENTORS DECLARATION FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a pattern sought on the inventor entitled:

***********			e Electron Transistor (MSET)	Detector Device	
the spec	ification of which (check a	pplicable box(s)):			
	s attached hereto				
	was filed on		as U.S. Application Serial N		(Atty. Dkt. No IP/P7343/USW)
[x]	was filed as PCT Internation	nal application No.	PCT/GB2004/004699	on 5 Nove	mber 2004
	pplicable to U.S. or PCT a		d on		
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amendn defined listed be which p	nent referred to above. I a in 37 C.F.R. 1.56. I hereb slow and have also identifis	cknowledge the duty to o y claim foreign priority be ed below any foreign app riority is claimed, before	notite under 35 H S C 119/305	nformation known to me of any foreign application pertificate having a filing	on(s) for patent or inventor's certificate date before that of the application on Day/Month/Year Filed
	0326049.4	•	GB		7 November 2003
	Application Numbe	r	United States provisional application  Date/Month/Year Filed  rior United States and PCT inte		ted above or below:
1 Hereby	, claim the bonom and a	,			
	.S./PCT Application(s): ation Serial No. PCT/GB2004/00469	9	Day/Month/Year Filed 5 November 2004		Status: patented pending, abandoned Pending
be true; impriso applica 4000 (t owner's	and further that these stanement, or both, under Section or any patent issued the owners and communication of whom all communications to prose patent. I also authorize communicated from the p	tements were made with tion 1001 of Title 18 of the hereon. And on behalf on s are to be directed) and ecute this application an	the knowledge that willful false the United States Code and that if the owner(s) hereof, I hereby to the attorneys of: <b>Custom</b> do to transact all business in the the states of the sta	such willful false statem appoint Nixon & Vanderi ner Number 23 Patent and Trademark ( Customer Number, and  and ing instructions to Nixon	nformation and belief are believed to so made are punishable by fine or ents may jeopardize the validity of the nye P.C., telephone number 703-816-117, individually and collectively Office connected therewith and with the act and rely solely on instructions on & Vanderhye on behalf of the
1.	Inventor's Signature:			[	Date:
••	Inventor:	Timothy (first)	MI	ASHLEY (last)	GB (citizenship)
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	Mailing Address:	QinetiQ Limited, Malv	ern Technology Centre, St And	rews Hoad, Maivern, Wo	orcestersture
	(Zip Code)	WR14 3PS United Ki	ingdom		-
			_	1	Date:
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	Inventor:	(first)	Mi	(last)	(citizenship)
	Residence: (city)	Makasa	(sta	ate/country) Worceste	ershire, United Kingdom
	, residence. (ony)	QinetiQ Limited, Malv	vern Technology Centre, St And	rews Road, Malvern, We	orcestershire
	(Zip Code)	WR14 3PS United K	ingdom		
	(E.P 0000)				

[X] See attached sheet(s) for additional inventor(s) information!!

#### Serial No. Page 2

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	(Zip Code)	WR143PS United King	dom		····	
4.	Inventor's Signature:				Date:	
٠٠.	Inventor:	Timothy	1	COX		GB
		(first)	MI	(last)		(citizenship)
	Residence: (city)	Malvern		(state/country) Worces	tershire, Unit	ed Kingdom
	Mailing Address:			t Andrews Road, Malvern, V	Vorcestershir	<u>e</u>
	(Zip Code)	WR143PS United King	dom			
_	Income de Cinnaturas				Date:	
5.	Inventor's Signature: Inventor:	Norman	J	GEDDES		GB
	inventor.	(first)	MI	(last)		(citizenship)
	Residence: (city)	Malvern		(state/country) Worces	tershire, Uni	ed Kingdom
	Mailing Address:	QinetiQ Limited, Malver	n Technology Centre, S	t Andrews Road, Malvern, \	<b>Vorcestershi</b>	e
	(Zip Code)	WR14 3PS United Kings				
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6.	Inventor's Signature:			JEFFERSON	Date:	GB
	Inventor:	John	H MI	(last)		(citizenship)
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	Residence: (city) Mailing Address:	OinetiO Limited Malver	n Technology Centre, S	t Andrews Road, Malvern,	Worcestershi	re
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7.	Inventor's Signature:	Musson	Llobie	NOD! 5	Date: <u>2</u>	GB
	Inventor:	Russell	A	NOBLE (last)		(citizenship)
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	Residence: (city)	Malvern	n Technology Centre	St Andrews Road, Malvern,	Worcestersh	re
	Mailing Address: (Zip Code)	WR14 3PS United King		Straight War Florida   Marie Ha	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	
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8.	Inventor's Signature:				_ Date:	
•	Inventor:	lan	С	SAGE		GB (citizenship)
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	(Zip Code)	WHI4 3PS United King	Juoni			
9.	Inventor's Signature:				_ Date:	
э.	Inventor:	David	J	COMBES		GB
	WITTO MOTE	(first)	MI	(last)		(citizenship)
	Residence: (city)	Malvern		(state/country) Worce	stershire, Un	itea Kingdom
	Mailing Address:	QinetiQ Limited, Malve	rn Technology Centre,	St Andrews Road, Malvern,	VVOICESIEISI	
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10.	Inventor's Signature:					
	Inventor:	(first)	Mi	(last)		(citizenship)
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	(Zip Code)					
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11.	Inventor's Signature:				Date	
	Inventor:	(first)	MI	(last)		(citizenship)
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	(Zip Code)					
EOP 4	(Zip Code) Inditional inventor	S check box [] and att	ach sheet with same i	nformation and signature	and date fo	r each.
FUK A	APPLITOWAL INVENTORS	J, JIICON DOX [] and all				

Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign) Page 1

### RULE 53 (37 C.F.R. 1.63) INVENTORS DECLARATION FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, mailing address and clizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first end joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

	scification of which (check applicable box	cular Singlo Electron Transistor (MSET) D ((s)):		
[]	is attached hereto	. "		
ij	was filod on	as U.S. Application Serial No		(Alty, Dkt. No IP/P7343/USW)
ľΧΊ	was filed as PCT International application	on No. PCT/GB2004/004699	an 5 No	vember 2004
	epplicable to U.S. or PCT application) wa	is amondod on		
amend defined listed t which (	ment referred to above. I acknowledge to d in 37 C.F.R. 1.56. I hereby claim foreign below and have also identified below any	and the contents of the above Identified spec he duty to disclose to the Patent Office all in n priority benefits under 35 U.S.C. 119/365 of foreign application for patent or inventor's ce ed, before the filing date of this application:	formation known to n of any foreign applica	ne to be material to patentability as itlon(s) for patent or inventor's certific
	Application Number	Country		Day/Month/Year Filed
	0326049.4	GB CB		7 November 2003
	Application Number	I(e) of any United States provisional applicat Date/Month/Year Filed 365 of all prior United States and PCT Intern		lstcd above or below:
				Statue: patented
	U.S./PCT Application(s): cation Sorial No. PCT/GB2004/004699	Day/Month/Year Filed S November 2004		ponding, abandoned Pending
be true impriso applica	e; and further that these statements were onment, or both, under Section 1001 of T ation or any patent issued thereon. And o to whom all communications are to be did 's/owners' attorneys to prosecute this app	n of rny own knowledgo are true and that all made with the knowledge that willful false sittle 18 of the United States Code and that sittle 18 of the United States Code and that on behalf of the owner(s) hereof, I hereby aprected) and the attorneys of: Custome olication and to transact all business in the Portye to add or delete attorneys from that C	tatements and the lik uch willful false stater point Nixon & Vande P Number 2 atent and Yrademark ustomer Number, an	a so made are punishable by fine or ments may jeopardize the validity of t rhye P.C., telephone number 703-81 3117, individually and collectively t Office connected therewith and with d to act and rely solely on instruction
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[X] See attached sheet(s) for additional inventor(s) information!!

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#### Serial No. Page 2

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